

High Temperature Through Hole Inductors

Model HM53E-2211

Features and Benefits

- Operating Temperature Range -40°C to +220°C
- Temperature Rise, Maximum 50°C
- Operating Frequency Up to 200KHz
- RoHS Compliant



Specification @ 25°C

Part Number	Inductance ⁽¹⁾ μH±15%	Heating Current ⁽²⁾ (Adc)	I _{rated} ⁽³⁾ (Adc)	DCR (mΩ)	
				Typ.	Max.
HM53E-2211100VLF	10.4	11.5	10.5	6.4	8.32
HM53E-2211160VLF	15.9	8.5	8.5	12.1	15.73
HM53E-2211210VLF	20.8	11.5	5.0	6.4	8.32
HM53E-2211260VLF	26.2	6.0	6.5	23.7	30.81
HM53E-2211320VLF	31.8	8.5	4.0	12.1	15.73
HM53E-2211360VLF	35.5	11.5	3.5	6.4	8.32
HM53E-2211530VLF	52.5	6.0	3.1	23.7	30.81
HM53E-2211540VLF	54.2	8.5	2.7	12.1	15.73
HM53E-2211900VLF	89.7	6.0	2.1	23.7	30.81

Notes:

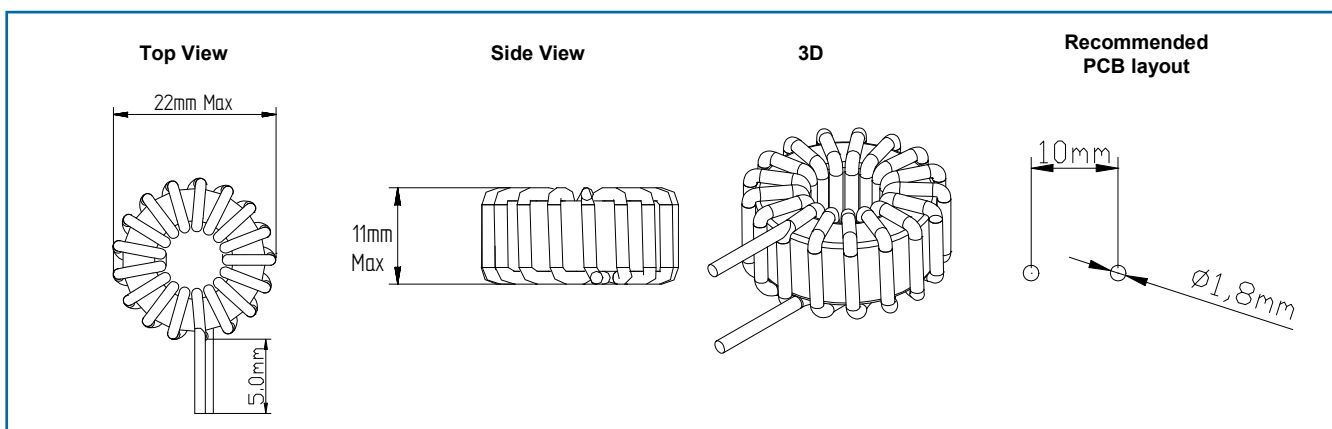
(1) Inductance is measured at 10 kHz, 0.1Vac without DC current.

(2) The Heating Current is the approximate DC current which causes the component temperature to increase by 40°C. This current is determined by soldering the component on a typical application PCB, and then applying the current to the device for 30 minutes.

(3) The rated current (I_{rated}) is the approximate current at which the inductance will be decreased by 30% typical from its initial (zero DC) value.

(4) The part temperature (ambient + temperature rise) should not exceed 220°C.

Outline Dimensions (mm)

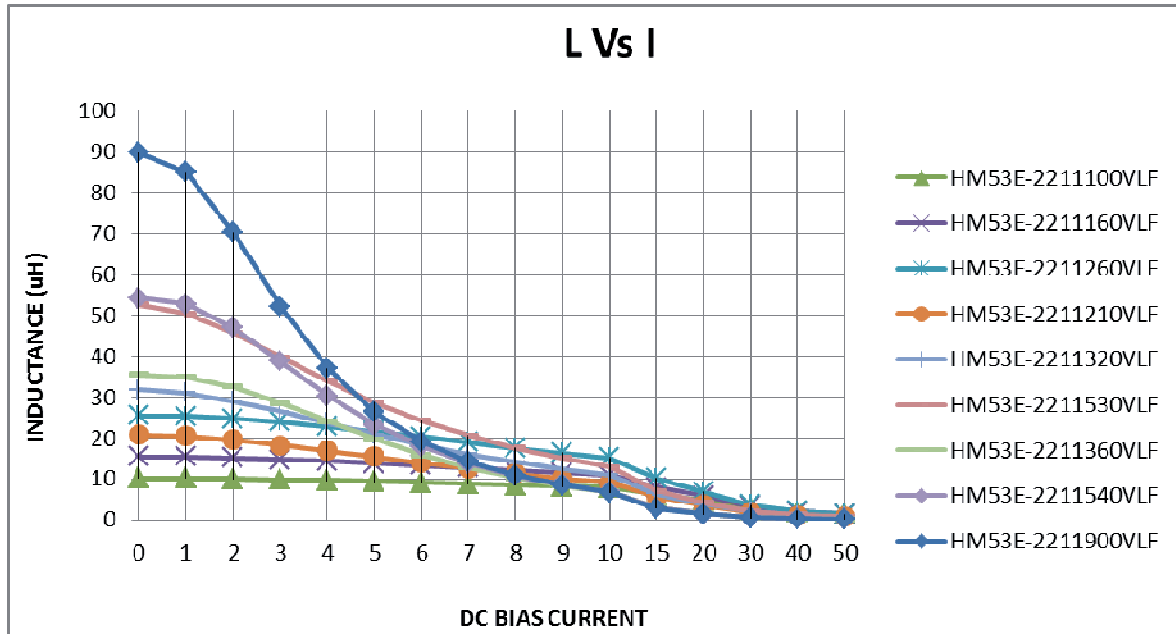


General Note

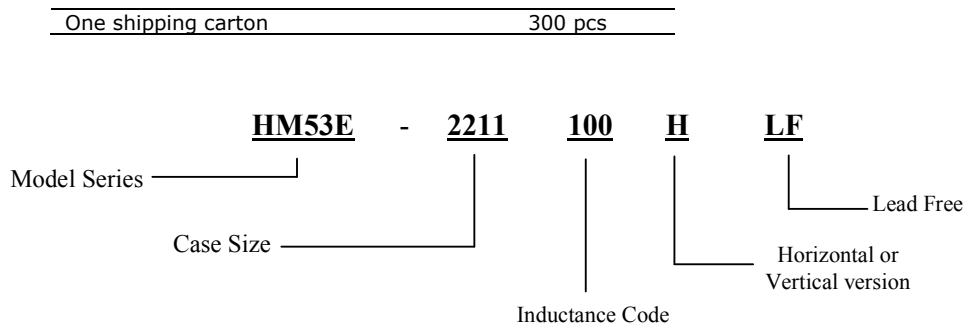
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Electrical Characteristic @ 20°C (Cont'd)



Packaging / Ordering Information



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